# Performance Data Sheet

## AJE2422ZXA

## General Information

| | | | |
|---|---|---|---|
| **Model** | AJE2422ZXA | **Refrigerant** | R-404A |
| **Test Condition** | EN12900 ASERCOM | **Performance Test Voltage** | 100V ~ 50HZ |
| **Return Gas** | 20°C (68°F) RETURN GAS | **Motor Type** | CSR |

## Performance Information

| Evap Temp (°C) | | Condensing Temperature (°C) | | | |
|---|---|---|---|---|---|
| | | 30 | 40 | 50 | 60 |
| -40 | Watts (Capacity) | 342 | 249 | 159 | 77.4 |
| | Watts (Power) | 372 | 347 | 305 | 246 |
| | Amps | 5.53 | 5.30 | 4.97 | 4.52 |
| -35 | Watts (Capacity) | 496 | 381 | 266 | 159 |
| | Watts (Power) | 430 | 421 | 396 | 353 |
| | Amps | 5.90 | 5.81 | 5.61 | 5.30 |
| -30 | Watts (Capacity) | 687 | 542 | 398 | 259 |
| | Watts (Power) | 491 | 498 | 489 | 463 |
| | Amps | 6.35 | 6.40 | 6.33 | 6.16 |
| -25 | Watts (Capacity) | 917 | 738 | 557 | 382 |
| | Watts (Power) | 555 | 578 | 585 | 575 |
| | Amps | 6.87 | 7.05 | 7.13 | 7.10 |
| -23.3 | Watts (Capacity) | 1010 | 813 | 619 | 429 |
| | Watts (Power) | 577 | 606 | 618 | 614 |
| | Amps | 7.06 | 7.29 | 7.42 | 7.43 |
| -20 | Watts (Capacity) | 1190 | 971 | 749 | 530 |
| | Watts (Power) | 621 | 660 | 683 | 690 |
| | Amps | 7.46 | 7.79 | 8.00 | 8.10 |
| -15 | Watts (Capacity) | 1510 | 1250 | 976 | 708 |
| | Watts (Power) | 689 | 745 | 784 | 807 |
| | Amps | 8.13 | 8.59 | 8.94 | 9.19 |
| -10 | Watts (Capacity) | 1890 | 1570 | 1240 | 919 |
| | Watts (Power) | 760 | 832 | 888 | 927 |
| | Amps | 8.87 | 9.47 | 9.96 | 10.3 |

| COEFFICIENTS | CAPACITY | POWER | CURRENT | MASS FLOW |
|---|---|---|---|---|
| C1 | 4.030430E+03 | 4.964278E+02 | 7.293033E+00 | |
| C2 | 1.425510E+02 | 5.740330E+00 | 1.028640E-01 | |
| C3 | -3.734520E+01 | 1.628163E+01 | 1.260542E-01 | |
| C4 | 1.607620E+00 | 5.008803E-02 | 1.483289E-03 | |
| C5 | -1.262720E+00 | 3.239690E-01 | 2.756137E-03 | |
| C6 | -1.478140E-01 | -8.333820E-02 | -5.503370E-04 | |
| C7 | 4.977750E-03 | 0.000000E+00 | 0.000000E+00 | |
| C8 | -1.192440E-02 | 0.000000E+00 | 0.000000E+00 | |
| C9 | -1.270740E-03 | 0.000000E+00 | 0.000000E+00 | |
| C10 | 9.236700E-04 | 0.000000E+00 | 0.000000E+00 | |

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

# Performance Data Sheet

## AJE2422ZXA

## General Information

| | | | |
|---|---|---|---|
| **Model** | AJE2422ZXA | **Refrigerant** | R-404A |
| **Test Condition** | EN12900 ASERCOM | **Performance Test Voltage** | 115V ~ 60HZ |
| **Return Gas** | 20°C (68°F) RETURN GAS | **Motor Type** | CSR |

## Performance Information

| Evap Temp (°C) | | Condensing Temperature (°C) | | | |
|---|---|---|---|---|---|
| | | 30 | 40 | 50 | 60 |
| -40 | Watts (Capacity) | 397 | 289 | 185 | 89.8 |
| | Watts (Power) | 451 | 425 | 373 | 297 |
| | Amps | 4.58 | 4.39 | 3.98 | 3.35 |
| -35 | Watts (Capacity) | 576 | 441 | 309 | 185 |
| | Watts (Power) | 528 | 520 | 488 | 430 |
| | Amps | 5.16 | 5.13 | 4.88 | 4.41 |
| -30 | Watts (Capacity) | 797 | 629 | 461 | 301 |
| | Watts (Power) | 607 | 618 | 604 | 565 |
| | Amps | 5.79 | 5.92 | 5.83 | 5.51 |
| -25 | Watts (Capacity) | 1060 | 856 | 647 | 443 |
| | Watts (Power) | 688 | 717 | 722 | 703 |
| | Amps | 6.46 | 6.75 | 6.81 | 6.66 |
| -23.3 | Watts (Capacity) | 1170 | 943 | 718 | 498 |
| | Watts (Power) | 716 | 752 | 763 | 750 |
| | Amps | 6.70 | 7.04 | 7.16 | 7.05 |
| -20 | Watts (Capacity) | 1380 | 1130 | 869 | 615 |
| | Watts (Power) | 770 | 819 | 843 | 842 |
| | Amps | 7.17 | 7.62 | 7.84 | 7.84 |
| -15 | Watts (Capacity) | 1760 | 1450 | 1130 | 821 |
| | Watts (Power) | 855 | 923 | 965 | 983 |
| | Amps | 7.93 | 8.53 | 8.92 | 9.08 |
| -10 | Watts (Capacity) | 2190 | 1820 | 1440 | 1070 |
| | Watts (Power) | 942 | 1030 | 1090 | 1130 |
| | Amps | 8.73 | 9.49 | 10.0 | 10.4 |

| COEFFICIENTS | CAPACITY | POWER | CURRENT | MASS FLOW |
|---|---|---|---|---|
| C1 | 4.675299E+03 | 5.991405E+02 | 5.887116E+00 | |
| C2 | 1.653591E+02 | 7.010241E+00 | 8.654597E-02 | |
| C3 | -4.332043E+01 | 2.112922E+01 | 1.857907E-01 | |
| C4 | 1.864839E+00 | 3.969731E-02 | 8.631420E-04 | |
| C5 | -1.464755E+00 | 3.772783E-01 | 3.167365E-03 | |
| C6 | -1.714642E-01 | -1.244340E-01 | -1.112198E-03 | |
| C7 | 5.774190E-03 | 0.000000E+00 | 0.000000E+00 | |
| C8 | -1.383230E-02 | 0.000000E+00 | 0.000000E+00 | |
| C9 | -1.474058E-03 | 0.000000E+00 | 0.000000E+00 | |
| C10 | 1.071457E-03 | 0.000000E+00 | 0.000000E+00 | |

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature